

February 25, 2008

TO: Members of the MAG Specifications and Details Committee

FROM: Robert Herz, Maricopa County DOT, Chairman

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF AGENDA

Wednesday, March 5, 2008 at 1:30 p.m.
MAG Office, Second Floor, Cholla Room
302 North First Avenue, Phoenix

The meeting of the MAG Specifications and Details Committee will be held at the place and time indicated above. The agenda for the meeting is provided below. **Please park in the garage under the building. Bring your ticket to the meeting, parking will be validated. For those using transit, the Regional Public Transportation Authority will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.** Please call me at (602) 506-4760 if you have questions about the upcoming meeting.

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AGENDA

<u>ITEM</u>	<u>COMMITTEE ACTION REQUESTED</u>
1. <u>Call to Order</u>	1. No action required.
2. <u>Approval of Feb 6, 2008 Meeting Minutes</u>	2. Corrections and approval of Feb 6, 2008 minutes.
3. <u>2007 & 2008 Cases</u>	3. Review of pending cases and submission of new cases for consideration.
4. <u>General Discussion</u>	4. For information and discussion.
5. <u>Adjournment</u>	5. No action required.

MEETING MINUTES FROM THE
MARICOPA ASSOCIATION OF GOVERNMENTS
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

February 6, 2008

Maricopa Association of Governments Office, Cholla Room
302 North First Avenue
Phoenix, Arizona

AGENCY MEMBERS

- | | |
|----------------------------|--------------------------------------|
| Jim Badowich, Avondale | Gordon Haws, Mesa |
| * Steven Borst, Buckeye | * Jesse Gonzalez, Peoria |
| Sheina Hughes, Chandler | Jeff Van Skike, Phoenix (St. Trans.) |
| * Chris Young, El Mirage | Jami Erickson, Phoenix (Water) |
| * Kelli Kurtz, Gilbert | * Gerald Wright, Queen Creek |
| Tom Kaczmarowski, Glendale | * Rodney Ramos, Scottsdale |
| Troy Tobiasson, Goodyear | Loren Kelley, Surprise |
| Bob Herz, MCDOT | James Bond, Tempe |

ADVISORY MEMBERS

- | | |
|--------------------------------------------|------------------------------|
| John Ashley, ACA | * Adrian Green, ARPA |
| Jeff Benedict, AGC | Paul R. Nebeker, Independent |
| Brian Gallimore, AGC | * William Ast, NUCA |
| Peter Kandarisi, SRP, Vice Chairman | Dale Phelan, NUCA |
| James Carusone for Don Cornelison,
ARPA | |

MAG ADMINISTRATIVE STAFF

Gordon Tyus

- * Members not attending or represented by proxy.

GUESTS/VISITORS

Tiffany Ward, Hansen Pipe and Precast
Denny Galvin, ADS

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:35 p.m.

2. Approval of Minutes

The members reviewed the January 2, 2008 meeting minutes. Jeff Van Skike introduced a motion to accept the minutes as written. John Ashley seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2007 Cases (old cases)

a. **Case 07-02 – Revisions to Asphalt Concrete, Sections 321 and 710:** Major re-writes of Asphalt Concrete placement and materials Sections 321 and 710 as proposed by the Asphalt Paving Technical Committee (APTC). Jeff Benedict gave a progress report on recent committee meetings for resolving comments. The technical committee expects to finish resolving Section 321 comments at the next subcommittee meeting and will begin work on Section 710 comments (copy handed out). APTC will meet at the ARPA offices (916 W. Adams Street, Phoenix) on February 13th to continue the work.

b. **Case 07-03A – PVC Catch Basins, Proposed New Details 535-2, 535-3, & 537-2. Case 07-03B – Inlet Structures, Proposed New Details 539-2, 542-1 through 4 & 543-1 through 5:** Details to allow the use of PVC catch basins and inlet structures. Peter Kandarlis provided written comments that summarized a number of changes recommended during previous meetings. Committee members discussed these comments and also recommended including dimensioning and slopes on catch basin concrete slabs, including a water stop when referencing MAG Detail 505, specifying pipe class for basins materials, including a note referencing invert elevations per project plans, and including the word “shall” for the first note on details that reference required load ratings. Dale Phelan will prepare revisions addressing comments and discussion items for the next meeting.

c. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Provide water ponding tolerances inside sewer pipe. Gordon Haws recommended keeping trenching tolerances in the existing section and adding tolerances for video inspection. Paul Nebeker identified the need for video measurement calibration standards. It was agreed that the various methods and equipment used by video firms should be examined before final establishment of tolerances and requirements. Jami Erickson requested revisions include the option for agencies to perform video tests and noted that the City of Phoenix has less stringent tolerances than those proposed. She will provide the committee with COP standards and tolerances. Bob Herz will contact Gerald Wright of Queen Creek to determine his status with the committee so that the case can move forward.

d. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Include an option for realignment of ductile iron mechanical joint. The committee had no discussion on this item.

e. **Case 07-12 – Revision to Detail 404-2, Water & Sanitary Sewer Separation/Protection:** Adding language to clarify the location of pipe and joint

restraints to insure that fittings/couplings do not fail and create cross-contamination. The committee had no discussion on this item.

4. 2008 Cases (new cases)

a. **Case 08-01 – Revisions to Borrow Excavation, Section 210:** Defining acceptance criteria for import borrow material. Peter Kandarlis provided written suggestions to include liquid limit and compaction performance requirements (in terms of fill stability and moisture content). Gordon Haws initiated a discussion on the requirements of on-site fill and whether on-site and import borrow should have the same requirements. Bob Herz will review comments and have responses or modifications for the next meeting.

b. **Case 08-02 – New Section 317, Asphalt Milling:** Construction requirements for milling existing asphalt concrete pavement (a new section as requested by the supplements subcommittee). Peter Kandarlis provided written suggestions to include equipment, dust control compliance, and milling operation requirements. The committee also discussed items including dust control and general clean up requirements, debris removal in relation to asphalt overlay construction time frames, including a section to deal with delamination of exiting pavement, insuring the new specification remains performance-based, and including repair methods for milling damage to underlying pavements. Bob Herz will review comments and have responses or modifications for the next meeting.

c. **Case 08-03 – New Section 325, Asphalt – Rubber Concrete Overlay, Gap Graded:** Material and construction requirements for gap-graded asphalt-rubber concrete used as an asphalt pavement overlay (a new section as requested by the supplements subcommittee). No comments were provided at this time. Committee members were requested to continue reviewing the proposal and return with comments for the next meeting.

d. **Case 08-04 – New Details 180-1 & 180-2, Portable Water Tank Fill Pipe and Backflow Prevent Details:** Approved methods for filling portable water tanks and trucks (a new section as requested by the supplements subcommittee). Jeff Van Skike initiated a discussion on whether these methods should be included in the MAG standards since they are not construction or material requirements. During the discussion, it was noted that details need to state that methods referenced apply only to potable water sources. Committee members were requested to continue reviewing the proposal and return with comments for the next meeting.

e. **Case 08-05 – Revisions to Safety Post Detail 140:** A revision to incorporate multiple agency safety post designs and include hazard marker requirements with the existing safety post detail (a new section as requested by the supplements subcommittee). Peter Kandarlis provided written comments to simplify multiple safety post details and examine more uniform post height requirements (relating post size to function). SRP also recommends excluding marker placement requirements since use and application are usually agency-specific or job-specific. Jeff Van Skike suggested that marker and post

reflective tape materials be researched to insure that materials specified meet the latest requirements. Sheina Hughes will review comments and have responses or modifications for the next meeting.

f. **Case 08-06 – Modification to Storm Drain Construction, Section 618.3:** A new section as requested by the supplements subcommittee to reduce the number of agency supplements to MAG standards. Jeff Van Skike presented additions to Section 618.3 to include leakage test procedures for HDPE storm drain pipes and require video inspection before final paving is allowed. Dale Phelan commented that video inspection requirements should be for all pipe types, not just HDPE. Committee members were requested to review the proposal and return with comments for the next meeting.

g. **Case 08-07 – Modification to Measurements and Payment, Section 109:** Revisions as requested by the supplements subcommittee to reduce the number of agency supplements to MAG standards. Gordon Haws presented changes to compensation requirements (part of City of Mesa supplements). Committee members were requested to review the proposal and return with comments for the next meeting.

h. **Case 08-08 – Modification to Subgrade and Trench Compaction, Sections 301.3 and 601.4:** Revisions as requested by the supplements subcommittee to reduce the number of agency supplements to MAG standards. Gordon Haws presented changes to include a moisture content range for subgrade and trench compaction and modify minimum compacted density for subgrade compaction (part of City of Mesa supplements). Committee members were requested to review the proposal and return with comments for the next meeting.

i. **Case 08-09 – Modification to Sewer Manhole Construction, Subsection 625.3.1:** Revisions as requested by the supplements subcommittee to reduce the number of agency supplements to MAG standards. Gordon Haws presented additions to sewer manhole frame and cover construction (part of City of Mesa supplements). Committee members were requested to review the proposal and return with comments for the next meeting.

j. **Case 08-10 – Modification to Trench Backfill and Pavement Replacement, Detail 200, Section 336 and Section 601:** Revisions as requested by the supplements subcommittee to reduce the number of agency supplements to MAG standards. Peter Kandaris presented revisions that would eliminate numerous agency trench backfill and pavement replacement supplemental details by combining the most common practices into the revisions. Committee members were requested to review the proposal and return with comments for the next meeting.

5. General Discussion:

John Ashley handed out an update on the progress of the supplements subcommittee. He also requested the committee authorize ACA and ARPA to sponsor a new subcommittee to work

on modernization of MAG concrete specifications (Section 725). John stated he would be contacting committee members later this month to help with the subcommittee.

Gordon Tyus requested electronic versions of all new cases and member written comments. He also mentioned that the February 2008 edition of MAGAZine included an article highlighting the MAG Specifications and Details Committee's work.

Bob Herz noted that Steve Borst contacted him and is willing to help with any proposed revisions to water line specifications or details.

6. Adjournment:

The meeting was adjourned at 3:28 p.m.